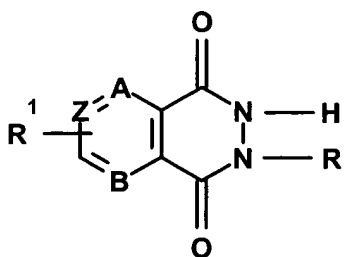


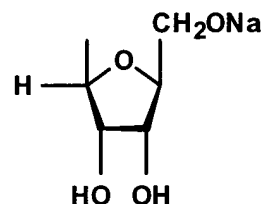
CYCLIC BIOISOSTERES OF DERIVATIVES OF A PURINE SYSTEM AND COMPOSITION BASED THEREON

Abstract

The invention relates to cyclic bioisosteres of derivatives of a purine system having a general structural formula



where R = Li, Na, K,



$R^1 = -H, -NH_2, -Br, -Cl, -OH, -COOH,$

$B = -N=, -CH=, Z = -CH=, -N=,$

$A = -N=$ at $B = -N=, Z = -CH=,$

$A = -CH=$ at $B = -N=, Z = -CH=,$

$A = -CH=$ at $B = -N=, Z = -N=,$

$A = -CH=$ at $B = -CH=, Z = -CH=,$

$A = -CH=$ at $B = -CH=, Z = -N=,$

and their pharmacologically acceptable salts having a normalizing effect on endocellular processes, in particular, it is capable eliminating endocellular metabolic acidosis and capable of binding excessively formed free radicals, in particular, free-radical forms of oxygen, capable of normalizing the nitrenergic mechanisms of the cells, and also capable of interreacting with adenosine-sensitive receptors on the membrane of non-nuclear cells and in nuclei-containing cells to decrease the aggregation of thrombocytes. The compounds according to the invention have hepatoprotective effect and can be used for producing pharmaceutical compositions on their base.